

Spec. Code: 1420  
Occ. Area: 03  
Work Area: 041  
Prom Line: none  
Prob. Period: 12 mo.  
Effective Date: 07/29/88

## **POWER PLANT MECHANICAL ENGINEER**

### Function of Job

Under supervision from a designated supervisor, to be responsible for the operation and maintenance of a power plant and distribution systems and equipment related thereto, as well as for the collection and analysis of statistical data required to design and develop alterations to and expansion of the plant and equipment.

### Characteristic Duties and Responsibilities

1. supervises and directs personnel in the operation and maintenance of the power plant, distribution systems, and related equipment as assigned
2. is responsible for the efficient and reliable operation of the plant, establishment of standards of operation, preventive maintenance programs, and instruction and training of personnel to maintain those standards
3. makes acceptance and performance tests on fuel, materials, and equipment to ensure compliance with specifications
4. collects and analyzes statistical data and prepares recommendations for alterations to or expansion of the plant and equipment
5. works with staff and consulting engineers in the development of plans and specifications for the selection of new equipment and/or alteration or expansion of the present plant
6. is responsible for the collection of statistical data and preparation of power plant operating records
7. performs other related duties as assigned

### MINIMUM ACCEPTABLE QUALIFICATIONS

#### **CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER**

1. Bachelor's degree in mechanical or electrical engineering
2. three years of power plant experience in a plant of similar capacity

## PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. thorough knowledge of power plant design, operation, and maintenance
2. mechanical skill and aptitude
3. administrative ability
4. supervisory ability